21

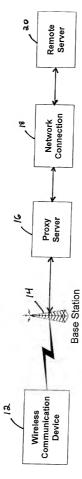
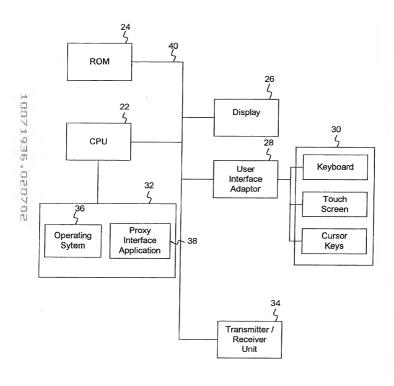


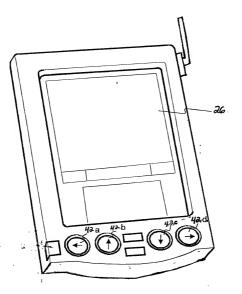
Fig. 1

For RETRIEVING DOCUMENTS OVER A NETWORK WITH A MIRELESS COMMUNICATION DEVICE

For RETRIEVING DOCUMENTS OVER A NETWORK WITH A

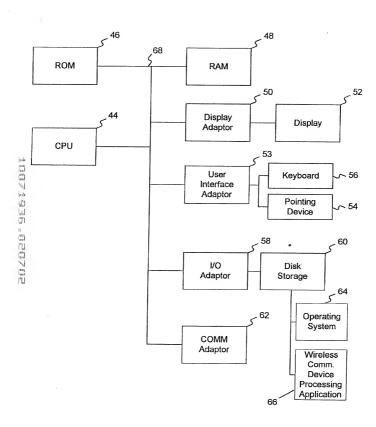


<u>12</u>

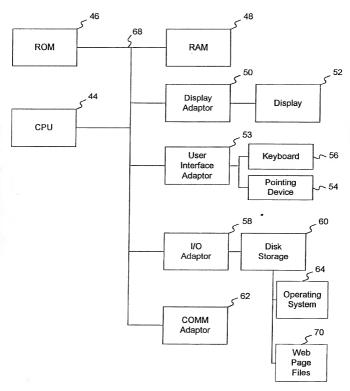


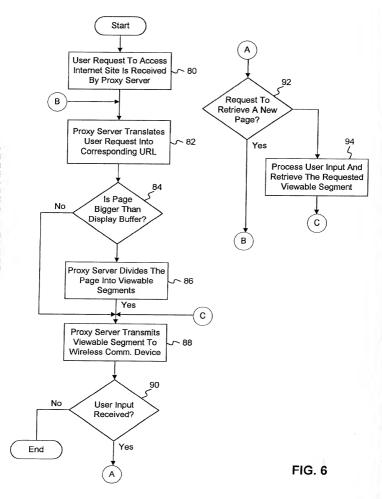
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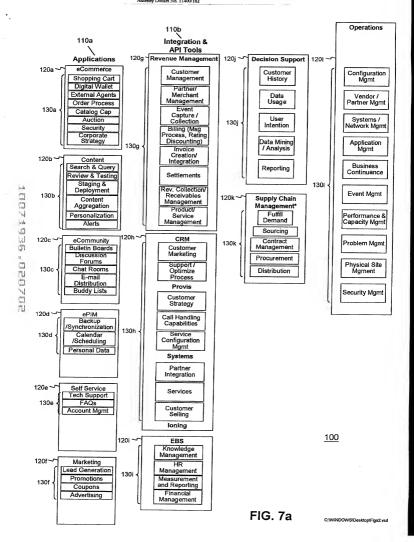
FIG. 3



16







130r

Secure Data Secure Servers

110d ~GATEWAY SERVICES 120s Gateway Enhanced Services Technical 120t ~ Mobile Gateway 110c~ Services Session Security Web Services Mgmt 120m ~ Services Caching **Proxy Services** Page Rendering Session /Protocol Trans Mamt Security Services 130m Proxy Services Security Proxy Services /Protocol Trans Services Interface Protocol 130t Audit Logging Caching 130s Caching Presentation Services 120n ~ Web App Services Presentation Push State&Session Services Services Mgmt Streaming **Transaction** Logging Directory Services 130n Distributed Components Personalization Services Dynamic Rendering Translation Services 120o~ Data Services Storage Data Access 130o Replication Backup 120p~ Content Channels Push Chat 130p Dynamic Rendering E-mail Instant messages 120g~ Transaction Services TP Monitor Transaction Mgmt 130a Resource Mgmt Trans Partitioning 120r ~ Security Services Secure 100 Environment

FIG. 7b

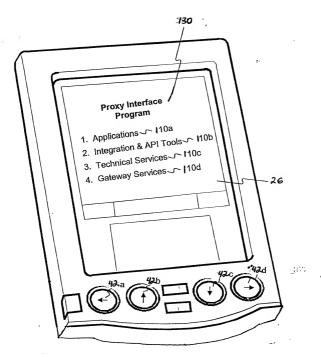
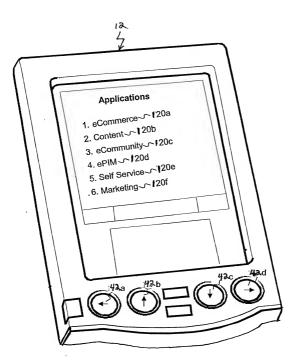
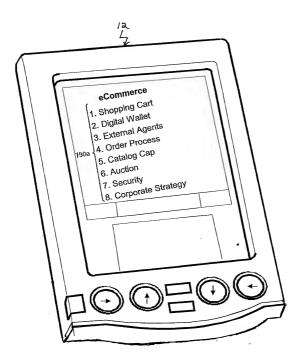


FIG. 8





For RETRIEVING DOCUMENTS OVER A NETWORK WITH A WIRELESS COMMUNICATION DEVICE Inventors: Terry Robert Ecklund, et al. Attorney Docket No. 11400/182 150 nbure fovestor Relations Manifesto Contact Us Industries Services Locations Ideas Clients Careers Events eCommerce W Outlook Onlins 156 tr Ideas Update Registration **Outlook Point of View** 158 D About Outlook Onlin tt Journal Bequest on e-mail alect wire, so have negomaterial on this type: E Special Edition ## Article Index Are technical challenges holding back your p Contact Us wireless strategy? by Owen V. Perillo and Leo P. Rohinger Download PDF (8 1/2 x 11, 38 KB) Download PDE (A4, 38 KB) Utiquitous commerce, or uCommerce—the ability to conduct busin anywhere and at any time—is expected to vasity improve the way businesses operate and the way people live. For consumers, uCommerce will become part of daily life, turning time previously spent welling, waiting and traveling into time spent communicating, working and buying, For businesses, uCommerce will be a critical capability in improving customer eakes, service and loyally, in driving more efficiency in the supply chain and in enabling the medial But Implementing uCommerce solutions can be highly disruptive, and can effect all dimensions of a company's operating strategies. As a result, many companies are uncertain about how best to implement wireless solutions, which causes them to hold back on executing a uCommerce Moving beyond wireless barriers? We believe that companies today are only scratching the surface of what they can accomplish in the wireless world. And the highest hurde they must overcome is their uncertainty about rapidly changing technologies. This concern is not ungrounded: While there is a need to act quickly, correctly anotherianty the changes presented by evolving technologies is 154 Accenture has developed a call to action to help companies manage the key technical challenges they face as they attempt to implement wireless business solutions. But much of the hardware that operates on current wireless networmay not be supported as 3G Infrastructures are deployed. What is more, coverage and compability challenges can she from the multiple digital wireless standards currently used in the United States—time difficient multiple access (TDMA), code division multiple access (TDMA) code division multiple access (TDMA) code division multiple access (TDMA) code from the communications (GSM) and objects. What to do: Companies should consider creating a modulation uncommerce solution components, including the user accession the wireless network, the gathway, the Whitehpolitasionoids and the legacy systems. As certain technologies and stance the legacy systems. As certain technologies and stance that the companies will be able to swap out relevant components—without overhauting the entire infrastructure.

Fig. 11

	accenture	Home About Accepture Investor Relations Mosfrleg Contact Us Industries Services Locations <u>Mens</u> Clients Careers Events eCommerce	160a
,	Cuttook Online ta Idees Update Registration D About Outlook Online	Serrels Go	
	Journal Special Edition Article Index		1606
	ts Contact Us	Are technical challenges holding back your wireless strategy?	1000
		by Owen V, Perilio and Lee P. Rohlinger (8 1/2 x 11, 38 KB) PDF Help Download PDF (A4, 38 KB)	
TIOTING OF		Utigatious commerce, or uCommerce—the ability to conduct business anywhere and at any time—is expected to vestly improve the way businesses operate and the way people live.	
		For consumers, uCommerce will become part of daily file, turning time proviously speak wallog, walking and traveling labs time speak commissions (which go and by going labs to the speak commissions), which go and by going the commissions of the control of the commissions of the control of t	
		But implementing uCommerce solutions can be highly disruptive, and can affect all dimensions of a company's operating strategies. As a result, many companies are uncertain short how best to imprement wireless solutions, which causes from to had been on executing a uCommence strategy.	160 c
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		Bridge the generation gap Challarge: The wireless provider industry tacks a clear migration path between carrier whereas data-access schrologies (second generation), which have lattered broudedsh, and super-up-endy third- pearet-levin (CD) posted schrologies. Promising speech of up to the complex of the complex schrologies and the complex quality entitled in on differ barndedsh-intensive business and constitute against generations.	160 d
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		Whet fo do: Companies should consider creeting a modular ast of Commarce solution components, induting the user access device, the wireless network, the gateway, the Webbapticason/data enviers, and the legacy systems. As certain technologies and standards:	

Fig. 12



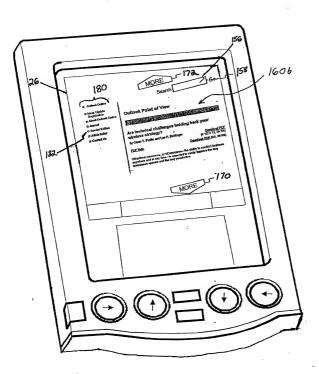


Fig. 14